17. The method of claim 1, wherein the total amount of phosphate is limited when the media comprises calcium.

18. The method of claim 17, wherein the total amount of phosphate is limited such that formation of complexes comprised of calcium and phosphate is suppressed.

19. The method of claim 17, wherein phosphate is not present in the media prior to HTST treatment.

20. The method of claim 17, wherein the pH is adjusted such that formation of complexes comprised of calcium and phosphate is suppressed.

21. The method of claim 17, further comprising adjusting the phosphate level following HTST treatment to a suitable level for cell culture.

22. The method of claim 1, wherein the total phosphate and calcium concentration in the media is less than 10 mM during HTST treatment.

23. The method of claim 1, wherein the total amount of calcium and phosphate is limited.

24. The method of claim 1, wherein the pH is adjusted, and the total amount of calcium and phosphate is limited.

25. The method of claim 1, wherein precipitate formation is suppressed.

26. The method of claim 1, wherein fouling of equipment used for HTST treatment is reduced.

27. The method of claim 1, wherein filter fouling is suppressed.

28. The method of claim 1, wherein the HTST treatment comprises raising the temperature of the media to at least 85 degrees Celsius for a sufficient amount of time to inactivate virus or adventitious agents in the media.

29. The method of claim 28, wherein the temperature of the media is raised to at least 93 degrees Celsius for a sufficient amount of time to inactivate the virus in the media.

30. The method of claim 29, wherein the temperature is raised for at least 5 seconds.

31. The method of claim 1, wherein the virus is selected from the group consisting of parvoviradae, paramyoxviradae, orthomyxoviradae, bunyaviridae, rhabdoviridae, reoviridae, togaviridae, calciviridae, and picornaviridae.

32. The method of claim 1, wherein the virus is an enveloped virus.

33. The method of claim 1, wherein the virus is a non-enveloped virus.

34. The method of claim 1, wherein the adventitious agent is bacteria.

35. The method of claim 22, wherein the total calcium and phosphate concentration is less than 7 mM.

36. The method of claim 22, wherein the total calcium and phosphate concentration is less than 4 mM.

37. The method of claim 29, wherein the temperature of the media is raised to at least 95 degrees Celsius for a sufficient amount of time to inactivate the virus in the media.

38. The method of claim 29, wherein the temperature of the media is raised to at least 102 degrees Celsius for a sufficient amount of time to inactivate the virus in the media.

39. The method of claim 30, wherein the temperature is raised for at least 10 seconds.

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